BRAIN BUSTERS
AN POST LITERACY AND NUMERACY CHALLENGE

an post

Post Primary Practise Pack Solutions

1. 200 words with reference to images in question. The story should be clear, organised and creative.

2. **a)** x =115 degrees, y = 65 degrees
b) x = 150 degrees
c) x = 123 degrees

3. **a)** **i.** Possessing supreme or ultimate power.
ii. An area of land under the jurisdiction of a ruler or state.
iii. In a way that is based on the wishes of most of the people.
b) Article 2

4. **a)** 600cm
b) 84cm
c) 12cm

5. **a)** An Post, for your world
b) **i.** 220
ii. 178
iii. 56

6. **a)** INVEST
b) **i.** Pink
ii. Pink
iii. Purple
iii. 105/4 = 26R1 (1st colour is Purple)
c) **i.** 64, 128, 256. Rule: Multiply previous term by 2 OR 2n
ii. 22, 25, 28. Rule: Add 3 to previous term OR n+3
iii. 0.32, 0.064, 0.0128. Rule: Divide previous term by 5 OR 1000/5^n

7. **a)** Between 8am and 9am

Time	Anna	Dad	Mum	Jamie
8:00am				
9:00am		Home		
10:00am		Home		
11:00am		Home		
12:00pm		Home		
1:00pm			Home	
2:00pm				Home
3:00pm				Home
4:00pm	Home			Home

b) Between 10:45 and 11:05

Time	Principal	Classroom
9:00	Free	In
9:15	Free	In
9:25	Free	In
9:30	Busy	In
10:00	Busy	In
10:30	Free	In
10:45	Free	Out
11:05	Busy	Out
12:45	Busy	Out
2:15		Noticed

8. **a)** Sandra

Date	Code	Details	Money Out €	Money In €	Balance
		Balance brought forward			50.00
1 Jan	DD	Book	5.00		45.00
5 Jan	ATM	Cash withdrawal	10.00		35
14 Jan	Cash	Lodgement		390	425
30	DD	Parents	120		305

Account Summary	
Total paid in (€): 390	Total paid out (€): 135
Opening balance (€): 50	Closing balance (€): 305

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John

Date	Code	Details	Money Out €	Money In €	Balance
		Balance brought forward			200.00
12 Jan	ATM	Cash withdrawal	100.00		100.00
19 Jan	SO	Bills	45.00		55.00
23 Jan	CR	Savings		200	255.00
26 Jan	CR	Salary		700.00	955.00
26 Jan	ATM	Cash withdrawal	300.00		655.00

Account Summary	
Total paid in (€): 900	Total paid out (€): 445
Opening balance (€): 200	Closing balance (€): 655

Mary

Date	Code	Details	Money Out €	Money In €	Balance
		Balance brought forward			20.00
14 Jan	DC	School	10.00		10.00
27 Jan	CQ	No. 12769		400	410
27 Jan	DR	Interest	80		330
28 Jan	CR	Savings		550	880
28 Jan	ATM	Cash withdrawal	300.00		580

Account Summary	
Total paid in (€): 950	Total paid out (€): 390
Opening balance (€): 20	Closing balance (€): 580

b) Sandra
Interest: 13.73
New Balance: 291.27

John
Interest: 29.48
New Balance: 625.52

Mary
Interest: 26.10
New Balance: 553.90

c) **i.** John as he has a withdrawal of 400 and Mary has credit of 400

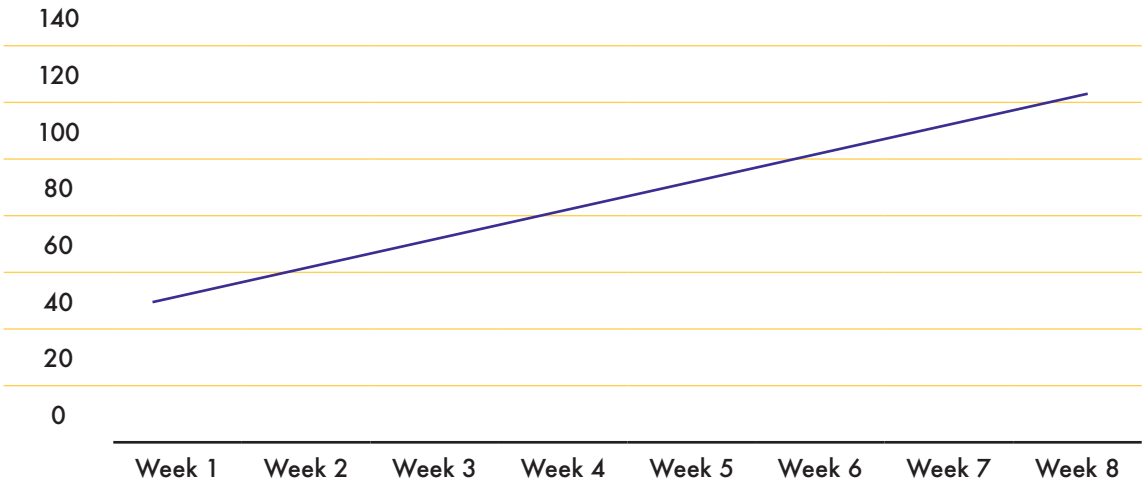
ii. The student is Sandra as she has a deposit of €390 which would have been her savings.

1	5
2	2(5)
3	3(5)
4	4(5)
5	5(5)
6	6(5)
7	7(5)
8	8(5)
9	9(5)
10	10(5)
11	11(5)
12	12(5)

d) **i.**

Week	Details	Paid Out €	Paid In €	Balance
1	Birthday Gift		€50	€50
2	Chores		€10	€60
3	Chores		€10	€70
4	Chores		€10	€80
5	Chores		€10	€90
6	Chores		€10	€100
7	Chores		€10	€110
8	Chores		€10	€120

ii.



iii. Week 13